LCP Packet Formats

Configure-Request

01	ID	Length	Configuration Options

Configure-Ack

02	ID	Length	Configuration Options

Configure-Nak

03	ID	Length	Configuration Options

Configure-Reject

04	ID	Length	Configuration Options

Terminate-Request

05	ID	Length	Data

Terminate-Ack

06	ID	Length	Data

Code-Reject

07	ID	Length	Rejected-Packet

Protocol-Reject

08	ID	Length	Rej'd-Protocol	Rejected-Information

Echo-Request

09	ID	Length	Magic-Number	Data

Echo-Reply

0A	ID	Length	Magic-Number	Data

Discard-Request

0B	ID	Length	Magic-Number	Data

LQM Packet Format

Magic-Number	LastOutLQRs
LastOutPackets	LastOutOctets
PeerInLQRs	PeerInPackets
PeerInDiscards	PeerInErrors
PeerInOctets	PeerOutLQRs
PeerOutPackets	PeerOutOctets

This reference guide is available in PostScript™
via anonymous FTP from ftp.morningstar.com.

LCP Configuration Options

Maximum-Receive-Unit

01	04	MRU

Default is 1500 decimal

Async-Control-Character-Map

02	06	Async-Map

Default is FFFFFFFF

Authentication-Protocol

03	Length	Auth-Prot	Data

Default is no authentication

04 C0 23 (PAP)
05 C2 23 05 (CHAP using MD5)

Quality-Protocol

04	Length	Quality-Prot	Data

Default is no LQM

08 C0 25 Reporting-Period

Magic-Number

05	06	Magic-Number

Default is no magic number

Protocol-Field-Compression

07	02

Default is no compression

Address-and-Control-Field-Compression

08	02

Default is no compression

IPCP Configuration Options

The IP Control Protocol is similar to LCP, except that only codes 1 (Configure-Request) through 7 (Code-Reject) are used.

IP-Addresses

01	0A	Source-IP-Address
Destination-IP-Address		

Deprecated

IP-Compression-Protocol

02	Length	Compress-Prot	Data

Default is no compression

06 00 2D Max-Slot-ID Comp-Slot-ID
(Van Jacobson Compressed TCP/IP)

IP-Address

03	06	IP-Address

No Default

PAP Packet Formats

Authenticate-Request

01	ID	Length	IDLen	Peer-ID
PwLen	Password			

Authenticate-Ack

02	ID	Length	MsgLen	Message

Authenticate-Nak

03	ID	Length	MsgLen	Message

CHAP Packet Formats

Challenge

01	ID	Length	ValSize	Value
Name				

Response

02	ID	Length	ValSize	Value
Name				

Success

03	ID	Length	Message

Failure

04	ID	Length	Message

References

William A. Simpson, ‘‘The Point-to-Point Protocol (PPP) for the Transmission of Multi-protocol Datagrams over Point-to-Point Links,’’ RFC 1331, May, 1992.

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William A. Simpson, ‘‘PPP Link Quality Monitoring,’’ RFC 1333, May, 1992.

Brian Lloyd and William A. Simpson, ‘‘PPP Authentication Protocols,’’ RFC 1334, October, 1992.

Van Jacobson, ‘‘Compressing TCP/IP Headers for Low-Speed Serial Links,’’ RFC 1144, January, 1990.